

What is claimed is:

1. A symbol display device, for a game machine, that determines win or loss of a game according to symbol combinations displayed in a display window, said symbol display device comprising:

plural reel units rotatably aligned in a row behind said display window, each of said plural reel unit being provided with symbols, at least one of said plural reel units being double reels including an inner reel and a transparent outer reel;

a winning symbol provided on a first reel that is one reel of said inner reel and said outer reel, said winning symbol forms a composite symbol by overlaying said winning symbol on said symbol provided on a second reel that is the other reel of said inner and outer reels; and

a controller for controlling rotation of said plural reel units, said controller controls said first reel to stop after rotating in a normal and a reverse directions repeatedly within a range that said winning symbol is displayed in said display window before win or loss of said game is determined.

2. A symbol display device as recited in claim 1, wherein said first reel stops the rotation after said second reel stops the rotation.

3. A symbol display device as recited in claim 1, wherein said winning symbol is provided in the second reel.

4. A symbol display device as recited in claim 3,  
wherein said controller controls rotation of the second  
reel to stop after rotating in said normal and said reverse  
directions repeatedly within a range that said winning  
5 symbol is displayed in the display window.

5. A symbol display device as recited in claim 1,  
further comprising:

a decoration symbol, said decoration symbol provided  
10 in the first reel;

wherein said controller rotates the first reel to  
overlay said decoration symbol on said symbol related to  
win in the second reel after said win is decided.

15 6. A symbol display device as recited in claim 5,  
wherein said decoration symbol is not displayed in said  
display window while the first reel repeats the rotation  
in said normal and said reverse directions.

20 7. A symbol display device as recited in claim 1,  
further comprising:

a shielding symbol provided in said outer reel, said  
shielding symbol shields a part of a symbol provided in  
said inner reel.

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8. A symbol display device as recited in claim 7,  
wherein said shielding symbol is not displayed in said  
display window while the first reel repeats the rotation  
in said normal and said reverse directions.

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9. A symbol display device as recited in claim 1,  
wherein plural zones are provided in outer periphery  
of said first reel;

wherein said controller controls the rotation of said  
5 first reel such that only one of said plural zones is  
displayed through said display window, and changes a zone  
to be displayed in said display window according to a game  
stage.

10 10. A symbol display device as recited in claim 9,  
wherein one of said plural zones is a win/loss  
determining zone consisting essentially of said winning  
symbol and non-symbol area;

wherein said controller rotates said first reel in  
15 said normal and said reverse directions in a range that  
only said win/loss determining zone is displayed in said  
display window.

11. A symbol display device, for a game machine, that  
20 determines win or loss of a game according to symbol  
combinations displayed in a display window, said symbol  
display device comprising:

plural reel units rotatably aligned in a row behind  
said display window, each of said plural reel unit being  
25 provided with symbols thereof, at least one of said plural  
reel units being double reels including an inner reel and  
a transparent outer reel;

a winning symbol provided on a first reel that is  
one reel of said inner reel and said outer reel, said winning  
30 symbol forms a composite symbol by overlaying said winning

symbol on said symbol provided on a second reel that is the other reel of said inner and said outer reels; and

a controller for controlling rotation of said plural reel units, said controller controls said first reel to  
5 stop after rotating in a normal and a reverse directions repeatedly within a range that said winning symbol is displayed in said display window.

12. A symbol display device as claimed in claim 11,  
10 wherein plural zones are provided on outer periphery of said first reel;

wherein said controller controls the rotation of said first reel such that only one of said plural zones is displayed through said display window, and changes a zone  
15 to be displayed in said display window according to a game stage.

13. A symbol display device as claimed in claim 12, wherein one of said plural zones is a win/loss determining  
20 zone consisting essentially of said winning symbol and non-symbol area;

wherein said controller rotates said first reel in said normal and said reverse directions in a range that only said win/loss determining zone is displayed in said  
25 display window.

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